

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/720,448
Source: IFW/6
Date Processed by STIC: 05/04/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/04/2006

PATENT APPLICATION: US/10/720,448

TIME: 09:08:03

Input Set : E:\03-465-B SeqListing.txt

Output Set: N:\CRF4\05042006\J720448.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4 Haeberli, Peter
 5 McSwiggen, James
 6 Beigelman, Leonid
 7 Macejak, Dennis
 8 Zinnen, Shawn
 9 Pavco, Pamela
 10 Morrissey, David
 11 Fosnaugh, Kathy
 12 Jamison, Sharon
 13 Vaish, Nerendra
 14 Chowrira, Bharat
 15 Usman, Nassim
 16 James, Thompson
 17 Vargeese, Chandra
 18 Wang, Weimen
 19 Tongqian, Chen
 21 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Gene Expression
 Using
 22 Chemically Modified Short Interfering Nucleic Acid (siNA)
 24 <130> FILE REFERENCE: 400/138 (03-465-B)
 26 <140> CURRENT APPLICATION NUMBER: US 10/720,448
 27 <141> CURRENT FILING DATE: 2003-11-24
 29 <150> PRIOR APPLICATION NUMBER: US 10/693,059
 30 <151> PRIOR FILING DATE: 2003-10-23
 32 <150> PRIOR APPLICATION NUMBER: US 10/444,853
 33 <151> PRIOR FILING DATE: 2003-05-23
 35 <150> PRIOR APPLICATION NUMBER: US 10/652,791
 36 <151> PRIOR FILING DATE: 2003-08-29
 38 <150> PRIOR APPLICATION NUMBER: US 10/422,704
 39 <151> PRIOR FILING DATE: 2003-04-24
 41 <150> PRIOR APPLICATION NUMBER: US 10/417,012
 42 <151> PRIOR FILING DATE: 2003-04-16
 44 <150> PRIOR APPLICATION NUMBER: US 10/427,160
 45 <151> PRIOR FILING DATE: 2003-04-30
 47 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346
 48 <151> PRIOR FILING DATE: 2003-02-20
 50 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028
 51 <151> PRIOR FILING DATE: 2003-02-20
 53 <150> PRIOR APPLICATION NUMBER: US 60/358,580
 54 <151> PRIOR FILING DATE: 2002-02-20
 56 <150> PRIOR APPLICATION NUMBER: US 60/363,124
 57 <151> PRIOR FILING DATE: 2002-03-11
 59 <150> PRIOR APPLICATION NUMBER: US 60/386,782

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72 <151> PRIOR FILING DATE: 2003-01-15
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Output Set: N:\CRF4\05042006\J720448.raw

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Input Set : E:\03-465-B SeqListing.txt

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Use of n and/or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation
is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 05/04/2006

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TIME: 09:08:04

Input Set : E:\03-465-B SeqListing.txt

Output Set: N:\CRF4\05042006\J720448.raw

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L:1547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
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L:4404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:231 after pos.:0
L:4447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234 after pos.:0
L:4477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:0
L:4519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:0
L:4549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:241 after pos.:0
L:4591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244 after pos.:0
L:4621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:246 after pos.:0
L:4664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:249 after pos.:0
L:4694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:251 after pos.:0
L:4736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:254 after pos.:0
L:4778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:0
L:4808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259 after pos.:0
L:4850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:262 after pos.:0
L:4881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:264 after pos.:0
L:4923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:267 after pos.:0
L:4953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:269 after pos.:0
L:4996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:272 after pos.:0
L:5026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:274 after pos.:0
L:5068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:0
L:5098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279 after pos.:0
L:5157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:280 after pos.:0
L:5215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281 after pos.:0
L:5249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:0
L:5282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:283 after pos.:0
L:5340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:0
L:5404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:0
L:5462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:286 after pos.:0

VERIFICATION SUMMARY

DATE: 05/04/2006

PATENT APPLICATION: US/10/720,448

TIME: 09:08:04

Input Set : E:\03-465-B SeqListing.txt

Output Set: N:\CRF4\05042006\J720448.raw

L:5520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:0
L:5584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:288 after pos.:0
L:5642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289 after pos.:0
L:5711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:0
L:6544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323 after pos.:0
L:6566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:0
L:6589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:0
L:6612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:0
L:6813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331 after pos.:0
L:7850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353 after pos.:0
L:7888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354 after pos.:0
L:7921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:0
L:7954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:356 after pos.:0
L:8002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:357 after pos.:0
L:8050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358 after pos.:0
L:8093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359 after pos.:0
L:8136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360 after pos.:0
L:8194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:0
L:8252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:362 after pos.:0
L:8300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363 after pos.:0
L:8348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:364 after pos.:0
L:8396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:0
L:8490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368 after pos.:0
L:8528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369 after pos.:0
L:8576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370 after pos.:0
L:8620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371 after pos.:0
L:14893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:513 after pos.:0
L:14972 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (517) SEQUENCE:
L:14978 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (518) SEQUENCE:
L:14984 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (519) SEQUENCE:
L:14989 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (520) SEQUENCE:
L:15021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:521 after pos.:0
L:15058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:522 after pos.:0
L:15085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:523 after pos.:0
L:15112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:524 after pos.:0
L:15144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:525 after pos.:0
L:15176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:526 after pos.:0
L:15209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:527 after pos.:0
L:15242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:528 after pos.:0
L:15274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:529 after pos.:0
L:15307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:530 after pos.:0
L:15313 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (531) SEQUENCE: